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(54) **WARP KNITTING MACHINE**

(57) Abstract

PROBLEM TO BE SOLVED: To provide a warp knitting machine having a simpler structure and capable of providing a rotational speed of nearly zero at the time of changeover.

SOLUTION: This warp knitting machine 1 is equipped with an adding transmission device 3 for producing a lapping motion of a guide bar and an adding member 10 made effective with an eccentric cam, which is rotated through a changeover clutch 11 by a driving shaft through 180°. The average number of revolutions of the driving shaft depends on the average number of revolutions of a main shaft 6 and is reduced to nearly zero at the time of changeover. A sensor is capable of detecting the rotational speed and the angular displacement of the main shaft 6 and issuing a corresponding detection signal. The driving is carried out by a motor 12. Furthermore, a motor controller 14 is provided and further equipped with an input end 17 for the detection signal and a memory device 15 read so as to form a control signal based on the angular displacement of the main shaft 6 and capable of storing at least one motion curve 13 having at least one section for reducing the turning angular velocity and a synchronizing means 18 for making the section for reducing coincident with the time of changeover in point of time.